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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,833	05/17/2006	Takahiro Ikunami	1163-0553PUS1	5772

2292 7590 05/05/2009
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EXAMINER

LEE, MICHAEL

ART UNIT	PAPER NUMBER
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2622

NOTIFICATION DATE	DELIVERY MODE
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05/05/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/579,833	Applicant(s) IKUNAMI, TAKAHIRO	
	Examiner M. Lee	Art Unit 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Please disregard Office Action mailed on 3/23/09 because the Action does not address all the submitted new claims. The Office apologizes for the inconvenience.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang (6,647,819) in view of Japanese Patent Publication No. JP-2-16678.

Regarding claim 1, Chang discloses a vehicle ceiling mounted LCD display device showing a main body housing mounted to the ceiling (Figure 1), a display housing pivotally mounted to the main body housing (20), an inherently included connecting member (such as cables or wires), and an inherently included insertion hole or holes on the display housing for receiving the connecting member. Chang does not disclose the connecting member covering member as claimed. JP-2-16678, from the similar field of endeavor, teaches such covering member (10-12). By using such covering member, the wirings connecting in between the rotating LCD monitor and the base unit are well concealed which can be very unsightly otherwise. Since the display monitor in Chang is also rotating around the base unit, the wirings would nonetheless expose when the monitor is rotated to an open position. In order to conceal the exposed wirings, it would have been obvious to one of ordinary skill in the art at the time

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that the invention was made to include the covering member of JP-2-16678 into Chang so that the unsightly wirings could be covered.

Regarding claim 2, Chang does not disclose that the insertion hole is formed by raising and cutting the display housing as claimed. In any event, JP-2-16678 shows that the cable is hooked by the edge of the housing (Figure 2) which effectively tightens the wires. Hence, it would have been obvious to one of ordinary skill in the art at the time that the invention was made to include a wire tighten means, such as taught by JP-2-16678, into Chang if the wirings ever become too slacken.

Regarding claim 3, as shown in Figures 1 and 2, the covering member in JP-2-16678 is being pressed by the element 8 and pivoting about the display housing 4.

Regarding claims 4-6, Chang or the JP-2-16678 does not teach the flexible printed circuit type flat ribbon as the connecting member as claimed. The examiner takes Official Notice that such ribbon type wiring is well known in the art. For instance, such wiring can be found in most of computer printers and scanners because it provides a flexible and ultra compact connection in between two devices, especially if the two devices are moving relative to each other. Since compactness and flexibility are the design requisites in Chang, it would have been obvious to one of ordinary skill in the art at the time that the invention was made to employ the well known flexible printed circuit type wiring as the connecting member to perform the well known functions as claimed.

Regarding claim 7, the JP-2-16678 shows a frame extension (bottom part of the display 7) in contact with element 11 as shown in Figure 1. This extension is essentially the equivalent of the hook rotary member claimed.

Regarding claim 8, JP-2-16678 shows a spring member 12 for pressing element 11 against the bottom part of the frame 7 so that a secure fit is formed while damping unwanted noise.

Regarding claim 9, the element 11 and the bottom part of frame 7 define a maximum opening as illustrated in Figure 2.

Regarding claim 10, in addition of rejection to claims 9 and 4-6, the element 11 also hides the connecting cables.

Regarding claim 11, the bottom part of frame 7 and the hole for holding the cable 8 at display 6 together meet the claimed insertion hole with the raised part at claimed. The creation of claimed design is considered an obvious design choice and would have been obvious to one of ordinary skill in the art.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 7-10 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The claim recites that the connecting member covering member being constructed to fit within the insertion hole formed within the display member. However, the original disclosure does not mention that the covering member (4) fits into the hole (3c). In fact, the notch or bump formed on the edge of the hook rotary member 3d prevents the member 4 from going into the hole.

Claim Objections

6. Claim 10 is objected to because of the following informalities: The dependence of the claim appears to be in typo. It should have been "claim 6" instead of "claim 9". Appropriate correction is required.

Response to Arguments

7. Applicant's arguments filed 11/14/08 have been fully considered but they are not persuasive.

Regarding applicant's argument that Chang does not disclose or teach the electrical connecting member in between the main body and the display as claimed, the Examiner disagrees. Although not shown, Chang inherently includes an electrical connecting means in between main body 10 and display body 20 in order to provide video, power and control signals to the LCD display resided in display body 20. Without such connecting means, the display function of the LCD is simply impossible. Such connecting means is also well known and recognized and admitted by the applicant in

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his background of the invention. As a result, since the combination of Chang and JP-2-16678 clearly meets the claimed invention, the Office rejection stands.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number 571-272-7349. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran, can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/M. Lee
Primary Examiner
Art Unit 262222